



**Code for Lifting
Appliances in a
Marine Environment,
July 2008**

Notice No. 1

Effective Date of Latest
Amendments:

See page 1

Issue date: December 2008

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**CODE FOR
LIFTING APPLIANCES
IN A MARINE ENVIRONMENT,
*July 2008***

Notice No. 1

This Notice contains amendments within the following Sections of the *Code for Lifting Appliances in a Marine Environment, July 2008*. The amendments are effective on the dates shown:

Chapter	Section	Effective date
General Regulations	2, 3, 4, 5	1 November 2008
3	2	Corrigenda
5	4	Corrigendum
6	6	Corrigendum
9	1	Corrigendum

The *Code for Lifting Appliances in a Marine Environment, July 2008* is to be read in conjunction with this Notice No. 1. The status of the Rules is now:

Code for Lifting Appliances in a Marine Environment	Effective date:	July 2008
Notice No. 1	Effective dates:	1 November 2008 & Corrigenda

General Regulations

General Regulations

Effective date 1 November 2008

■ Section 2

2.1 LR remains the sole classification society in the LR Group. LR is managed by a ~~corporate trustee Lloyd's Register Trustees Limited Board of Trustees~~ (hereinafter referred to as 'LR's trustee the Board').

~~LR's trustee~~ The Board has:

Appointed a Classification Committee and determined its powers and functions;

Appointed Technical Committees and determined their powers, functions and duties.

2.2 The LR Group has established National and Area Committees in the following:

Countries:	Areas:
Australia (via Lloyd's Register Asia)	Benelux (via Lloyd's Register EMEA)
Canada (via Lloyd's Register North America, Inc.)	Central America (via Lloyd's Register Central and South America Ltd)
China (via Lloyd's Register Asia)	Nordic Countries (via Lloyd's Register EMEA)
Egypt (via Lloyd's Register EMEA)	South Asia (via Lloyd's Register Asia)
Federal Republic of Germany (via Lloyd's Register EMEA)	Asian Shipowners (via Lloyd's Register Asia)
France (via Lloyd's Register EMEA)	Greece (via Lloyd's Register EMEA)
Italy (via Lloyd's Register EMEA)	
Japan (via Lloyd's Register Asia)	
New Zealand (via Lloyd's Register Asia)	
Poland (via Lloyd's Register (Polska) Sp zoo)	
Spain (via Lloyd's Register EMEA)	
United States of America (via Lloyd's Register North America, Inc.)	

■ Section 3

3.1 LR's Technical Committee is at present composed of:

Ex officio members:

	TOTAL
• The Chairman of Lloyd's Register Holdings (LRH) LR	1
• The Chairman of the Classification Committee	1

Members Nominated by:

• The General Committee of Trustees of LRH Board	18
• The Royal Institution of Naval Architects	2
• The Institution of Engineers and Shipbuilders in Scotland	2
• The Institute of Marine Engineers	2
• The Institution of Mechanical Engineers	2
• The Shipbuilders' and Shiprepairers' Association	2
• The Short Sea Group of the Chamber of Shipping	1
• The Society of Consulting Marine Engineers and Ship Surveyors	1
• The Institute of Materials	1
• The UK Steel Association	1
• The Honourable Company of Master Mariners	2
• The Institution of Electrical Engineers	1
• Federation of British Electrotechnical and Allied Manufacturers' Associations	1
• The Technical Committee	18
• The Technical Committee (from other countries)	18
• The Institute of Refrigeration	1
• International Oil Companies	2
• Association of European Shipbuilders and Shiprepairers	1
• Greek Shipping Co-operation Committee	1

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3.3 All elections are subject to confirmation by ~~LR's trustee~~ the Board.

3.5 The term of office of the Chairman and of all members of the Technical Committee is five years. Members may serve one additional term of office with the approval of ~~LR's trustee~~ the Board. The term of the Chairman may be extended with the approval of ~~LR's trustee~~ the Board.

3.8 Any proposal of the Technical Committee involving any alteration in, or addition to, ~~Part 1, Chapter 1 of Rules for Classification is referred to LR's Trustee which has agreed to seek the comments of the Lloyd's Register Holding's General Committee of Trustees before adopting the proposal~~ subject to approval of the Board. All other proposals for additions to or alterations to the Rules for Classification will, following approval by the Technical Committee, be submitted to the Board for adoption.

■ Section 4

4.1 LR's Naval Ship Technical Committee (hereinafter referred to as 'the NSTC') is at present composed of up to 50 members and includes nominees of:

- The Royal Navy and the UK Ministry of Defence;
- The Defence Evaluation and Research Agency;
- UK Shipbuilders, Ship Repairers and Defence Industry;
- Overseas Governments and Governmental Agencies;
- Overseas Shipbuilders, Ship Repairers and Defence Industries;
- Various maritime bodies and institutions, nominated by the NSTC;
- The Chairman of ~~LRH~~ LR and Chairman of the Classification Committee who are *ex officio* members.

4.2 All elections are subject to confirmation by ~~LR's trustee~~ the Board.

4.4 The term of office of the NSTC Chairman and of all members of the NSTC is five years. Members may serve one additional term of office with the approval of ~~LR's trustee~~ the Board. The term of the Chairman may be extended with the approval of ~~LR's trustee~~ the Board.

4.8 Following approval by the NSTC, details of new Rules (or amendments) will be submitted to ~~LR's trustee which will seek comments from LRH's General Committee of Trustees before adopting any changes~~ the Board for adoption.

■ Section 5

5.1 LR has the power to adopt, and publish as deemed necessary, Rules relating to Classification and has (in relation thereto) provided the following:

- (a) Except in the case of a special directive by ~~LR's trustee~~ the Board, no new Regulation or alteration to any existing Regulation relating to classification or to class notations is to be applied to existing ships.
- (b) Except in the case of a special directive by ~~LR's trustee~~ the Board, or where changes necessitated by mandatory implementation of International Conventions, Codes or Unified Requirements adopted by the International Association of Classification Societies are concerned, no new Rule or alteration in any existing Rule is to be applied compulsorily after the date on which the contract between the ship builder and shipowner for construction of the ship has been signed, nor within six months of its adoption. The date of 'contract for construction' of a ship is the date on which the contract to build the ship is signed between the prospective shipowner and the ship builder. This date and the construction number (i.e. hull numbers) of all the vessels included in the contract are to be declared by the party applying for the assignment of class to a newbuilding. The date of 'contract for construction' of a series of sister ships, including specified optional ships for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective shipowner and the ship builder. In this section a 'series of sister ships' is a series of ships built to the same approved plans for classification purposes, under a single contract for construction. The optional ships will be considered part of the same series of sister ships if the option is exercised not later than 1 year after the contract to build the series was signed. If a contract for construction is later amended to include additional ships or additional options, the date of 'contract for construction' for such ships is the date on which the amendment to the contract is signed between the prospective shipowner and the ship builder. The amendment to the contract is to be considered as a 'new contract'. If a contract for construction is amended to change the ship type, the date of 'contract for construction' of this modified vessel, or vessels, is the date on which the revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder. Where it is desired to use existing approved ship or machinery plans for a new contract, written application is to be made to LR. Sister ships may have minor design alterations provided that such alterations do not affect matters related to classification.
- ~~(e) That it will, in all cases, consult with LRH's General Committee of Trustees before passing any Rule amendment.~~
- ~~(e)~~ (c) All reports of survey are to be made by Surveyors authorised by members of the LR Group to survey and report (hereinafter referred to as 'the Surveyors') according to the form prescribed, and submitted for the consideration of the Classification Committee.
- ~~(e)~~ (d) Information contained in the reports of classification and statutory surveys will be made available to the relevant owner, National Administration, Port State Administration, P&I Club, hull underwriter and, if authorized in writing by that owner, to any other person or organization.

(e) Notwithstanding the general duty of confidentiality owed by LR to its client in accordance with the LR Rules, LR clients hereby accept that, LR will participate in the IACS Early Warning System which requires each IACS member to provide its fellow IACS members and Associates with relevant technical information on serious hull structural and engineering systems failures, as defined in the IACS Early Warning System (but not including any drawings relating to the ship which may be the specific property of another party), to enable such useful information to be shared and utilised to facilitate the proper working of the IACS Early Warning System LR will provide its client with written details of such information upon sending the same to IACS Members and Associates.

Chapter 3
Cranes and Submersible Lifting Appliances

CORRIGENDA

■ Section 2
Shipboard cranes

2.11 Forces due to ship motion

Table 3.2.3 Forces due to ship motions (Part only shown)

Source	Component of force, in newtons		
	Normal to deck	Parallel to deck	
		transverse	longitudinal
STATIC			
Roll	$W \cos \phi$	$W \sin \phi$	
Pitch	$W \cos \psi$		$W \sin \psi$
Combined	$W \cos (0,71\phi) \cos (0,71\psi)$	$W \sin (0,71\phi)$	$W \sin (0,71\psi)$
DYNAMIC			
Roll	$0,07024W \frac{\phi}{T_r^2} y$	$0,07024W \frac{\phi}{T_r^2} z_t z_r$	

Table 3.2.10 Values of σ_{cr} for steel for varying σ_y (Part only shown)

Yield stress, in N/mm ²	240				260				360			
	2,0	3,5	5,5	8,0	2,0	3,5	5,5	8,0	2,0	3,5	5,5	8,0
Robertson's constant, a												
Slenderness ratio, s												
190	51	48	44	40	51	48	45	41	53	51	48	45
200	46	44	40	37	47	44	41	38	48	46	44	41
210	42	40	37	34	42	40	38	35	43	42	40	38

Chapter 5

Lifts and Ramps

CORRIGENDUM

■ Section 4

Passenger lifts

4.14 Lift car and counterweight

4.14.1 The car is to be constructed of steel or equivalent non-flammable material, have a non-slip floor and be provided with at least one handrail where access for persons is clearly available. A load plate is to be prominently displayed specifying the safe working load in persons and kilograms. ~~kilogrammes~~

Chapter 6

Fittings, Loose Gear and Ropes

CORRIGENDUM

■ Section 6

Steel wire ropes

6.3 Construction and application

(Part only shown)

Table 6.6.3 Breaking loads of steel wire ropes
(continued)

Wire rope 6 x 41 Warrington-Seale
Diameter range: ~~16 to 60 mm~~ 16 to 60 mm

Chapter 9
Testing, Marking and Survey Requirements

CORRIGENDUM

■ Section 1
Testing

1.3 Steel wire rope

(Part only shown)

Table 9.1.3 Text length for steel wire ropes

Wire rope diameter, d , in mm	Test length, in mm
$d \leq 6$	300
$6 < d \leq 20$	600
$d \leq 20$ $d > 20$	$30d$ but need not exceed 1500 mm

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